C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.120.3.f 4 O'CLOCK (PEER 9) CHIPMUNK TESTS FROM LOCAL PANEL

C-A-OPM Procedures in which this Attachment is used.		
4.120.3		

Hand Processed Changes

HPC No.	Date	Page Nos.	Initials
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Approved: _____*Signature on File*_____ _____
Collider-Accelerator Department Chairman   Date

V. Castillo

4.120.3.a 4 O'CLOCK (PEER 9) CHIPMUNK TESTS FROM LOCAL PANEL

PASS ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title:_____   **Checksum:** _____

Division B Software Filename and Checksum: Title:_____   **Checksum:** _____

<u>**Initial testing complete**</u>**:**

Test Team Leader's Name (Print): _____   **Life Number:** _____

Test Team Leader's Name (Sign): _____   **Date: _____/____/_____**

<u>**Acceptance test procedure complete (following repairs and retesting if required)**</u>**:**

Test Team Leader's Name (Print): _____   **Life Number:**_____

Test Team Leader's Name (Sign): _____   **Date: _____/____/_____**

<u>**Test results reviewed by:**</u>

Safety Section Head's Name (Print):_____   **Life Number:** _____

Safety Section Head's Name (Sign):_____   **Date: _____/____/_____**

<u>**Test results accepted by Radiation Safety Committee**</u>**:**

RSC Member's Name (Print):_____   **Life Number:** _____

 RSC Member's Name (Sign):_____   **Date: _____/____/_____**

1.1   **TEST**   Chipmunk **C250 located at 4GI1 - RF** in **MODE 1**

☐	**VERIFY**	Chipmunk calibration date [_____/_____/_____] is	**VALID**
☐	**VERIFY**	Chipmunk is in good physical condition and is	**CHIRPING**
☐	**VERIFY**	**Local Control Panel (LCP)** sees Chipmunk as	**O.K.**
	DETACH	Cable from Chipmunk	
☐	**VERIFY**	**LCP** sees Chipmunk as	**RAD & NG HWARE**

         RESET   **Rad & NG Hware at PLC Cab**

☐	**VERIFY**	Attempt to **reset Rad & NG Hware at PLC Cab**	**FAIL**
	CONNECT	Chipmunk **Test box** to the **Chipmunk cable**	
	RESET	**Rad & NG Hware at PLC Cab**	
☐	**VERIFY**	**LCP** sees **Rad & NG Hware** as	**O.K.**

	PRESS	**A & B Div Trip** buttons sequentially on the **test box**	
☐	**VERIFY**	**LCP** sees the Chipmunk as **Div A** ☐**,** followed by **Div B** ☐	**RAD TRIP**
	RESET	**Rad Trip at PLC Cab**	
☐	**VERIFY**	**LCP** sees **Rad Trip**	**RESET**

	PRESS	**A & B Div Fail** buttons sequentially on the **test box**	
☐	**VERIFY**	**LCP** sees the Chipmunk as **Div A** ☐**,** followed by **Div B** ☐	**NG Hware**
	RESET	**NG Hware at PLC Cab**	
☐	**VERIFY**	**LCP** sees **NG Hware** is	**RESET**

	DETACH	Chipmunk **Test box** from cable	
	CONNECT	**Chipmunk** to cable	
☐	**VERIFY**	**Chipmunk** is	**CHIRPING**
☐	**VERIFY**	**LCP** sees **Rad Trip** ☐ **& NG Hware** ☐ as	**O.K.**

    ☐   **Check for Test Acceptance of Chipmunk C250 in Mode 1**

1.2   **TEST**   Chipmunk **C251 located at 1005S - 4GE3 Labyrinth** in **MODE 1**

☐	**VERIFY**	Chipmunk calibration date [_____/_____/_____] is	**VALID**
☐	**VERIFY**	Chipmunk is in good physical condition and is	**CHIRPING**
☐	**VERIFY**	**LCP** sees **Rad & NG Hware** as	**O.K.**
	DETACH	Cable from Chipmunk	
☐	**VERIFY**	**LCP** sees Chipmunk as **Div A** ☐**, Div B** ☐	**RAD & NG HWARE**
	RESET	**Rad & NG Hware** at **PLC Cab**	
☐	**VERIFY**	Attempt to **reset Rad & NG Hware at PLC Cab**	**FAIL**
	CONNECT	Chipmunk **Test box** to the **Chipmunk cable**	
	RESET	**Rad & NG Hware** at **PLC Cab**	
☐	**VERIFY**	**LCP** sees Chipmunk as	**O.K.**

	PRESS	**A & B Div Trip** buttons sequentially on the **test box**	
☐	**VERIFY**	**LCP** sees the Chipmunk as **Div A** ☐**,** followed by **Div B** ☐	**RAD TRIP**
	RESET	**Rad Trip** at **PLC Cab**	
☐	**VERIFY**	**LCP** sees **Rad Trip**	**RESET**

	PRESS	**A & B Div Fail** buttons sequentially on the **test box**	
☐	**VERIFY**	**LCP** sees the Chipmunk as **Div A** ☐**,** followed by **Div B** ☐	**NG Hware**
	RESET	**NG Hware** at **PLC Cab**	
☐	**VERIFY**	**LCP** sees **NG Hware** is	**RESET**

         DETACH   Chipmunk **Test box** from cable

		CONNECT	**Chipmunk** to cable	
---	☐	**VERIFY**	**Chipmunk** is	**CHIRPING**
	☐	**VERIFY**	**LCP** sees **Rad Trip** ☐ **& NG Hware** ☐ as	**O.K.**

☐   **Check for Test Acceptance of Chipmunk C251 in Mode 1**

1.3   **TEST**   Chipmunk **C252 located at 1004A - 4GE2** in **MODE 1**

	☐	**VERIFY**	Chipmunk calibration date [_____/_____/_____] is	**VALID**
	☐	**VERIFY**	Chipmunk is in good physical condition and is	**CHIRPING**
	☐	**VERIFY**	**LCP** sees **Rad & NG Hware** as	**O.K.**
		DETACH	Cable from Chipmunk	
	☐	**VERIFY**	**LCP** sees Chipmunk as **Div A** ☐, **Div B** ☐	**RAD & NG HWARE**
		RESET	**Rad & NG Hware** at **PLC Cab**	
	☐	**VERIFY**	Attempt to **reset Rad & NG Hware** at **PLC Cab**	**FAIL**
		CONNECT	Chipmunk **Test box** to the **Chipmunk cable**	
		RESET	**Rad & NG Hware** at **PLC Cab**	
	☐	**VERIFY**	**LCP** sees Chipmunk as	**O.K.**
		PRESS	**A & B Div Trip** buttons sequentially on the **test box**	
	☐	**VERIFY**	**LCP** sees the Chipmunk as **Div A** ☐, followed by **Div B** ☐	**RAD TRIP**
		RESET	**Rad Trip** at **PLC Cab**	
	☐	**VERIFY**	**LCP** sees **Rad Trip**	**RESET**
		PRESS	**A & B Div Fail** buttons sequentially on the **test box**	
	☐	**VERIFY**	**LCP** sees the Chipmunk as **Div A** ☐, followed by **Div B** ☐	**NG Hware**
		RESET	**NG Hware** at **PLC Cab**	
	☐	**VERIFY**	**LCP** sees **NG Hware** is	**RESET**
		DETACH	Chipmunk **Test box** from cable	
		CONNECT	**Chipmunk** to cable	
	☐	**VERIFY**	**Chipmunk** is	**CHIRPING**
	☐	**VERIFY**	**LCP** sees **Rad Trip** ☐ **& NG Hware** ☐ as	**O.K.**

☐   **Check for Test Acceptance of Chipmunk C252 in Mode 1**

END OF TEST PROCEDURE

TTL: Sign for completion of initial testing: _____

                                  Date: _____/____/_____

TTL: Sign for completion of final testing: _____

                                  Date: _____/____/_____